

## Today's Topics:

\* SpaceNews 18-Dec-89 \*

ARRL

CDE Rotators

pudgy wound helical antenna (60m vertical in my living room!)

rn tricks (was Re: Where does it go?)

University Amateur Radio Clubs

Date: 17 Dec 89 10:36:41 GMT

From: masscomp!ocpt!tsdiag!ka2qhd!kd2bd@think.com (John Magliacane)

Subject: \* SpaceNews 18-Dec-89 \*

Message-ID: &lt;64@ka2qhd.UUCP&gt;

Bulletin ID: SPC91218

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SpaceNews

MONDAY DECEMBER 18, 1989

SpaceNews originates at KD2BD in Wall Township, NJ, and is distributed weekly around the world. It is available for UNLIMITED distribution.

## \* STS-32 NEWS \*

US Space Shuttle "Columbia" is currently located at launch pad 39-A at KSC in preparation for mission STS-32 later this week. If a launch delay occurs, then the mission will be postponed until January 1990. Columbia will be using the newly refurbished launch pad 39-A at the Kennedy Space Center. Pad 39-A was last used in January 1986.

During mission STS-32, the crew will deploy the SYNCOM IV-05 communications satellite, and retrieving the Long Duration Exposure Facility (LDEF). This will be a unique mission since it requires the support for both a payload to be deployed and the return of LDEF. LDEF's processing and de-integration work at KSC will involve operations in the Orbiter Processing Facility, the Operations and Checkout (O & C) Building, and the Spacecraft Assembly and Encapsulation Facility (SAEF) number two.

## \* OSCAR-10 OPERATIONS \*

AMSAT-OSCAR-10 is currently available for Mode B transponder operations on

a continuous basis. Please remember to use the minimum uplink power required to facilitate communications.

\* OSCAR-13 OPERATIONS \*

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Here is the latest operating schedule for AMSAT-OSCAR-13:

MODE B	MA 000 to MA 110
MODE JL	MA 110 to MA 145
OFF	MA 145 to MA 150
S BEACON	MA 146 to MA 147
MODE S	MA 147 to MA 160
MODE B	MA 150 to MA 225
OMNI ANT	MA 225 to MA 035

\* SpaceNews NEWS \*

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SpaceNews has been in existence for over two years, and some of you might be interested in how these bulletins are created each week:

SpaceNews bulletins are written and distributed using Amateur Packet Radio (AX.25) technology. Issues are edited using a Commodore 64 computer. Much of the news contained in these bulletins is obtained from amateur satellite OSCAR-11. Orbital predictions of the spacecraft, as well as data capture and decoding functions are also performed using a Commodore 64 running software specifically designed for use with the OSCAR-11 spacecraft (written by KD2BD).

Other important news sources include NASA, ANS (The AMSAT News Service), and USENET. SpaceNews has been available on USENET for just over one year now. It has been available on Amateur Packet Radio (AMPR) for two years, although the distribution paths sometime change. It is available for free distribution and can be found on electronic news systems all over the world.

I always appreciate hearing from the readers of SpaceNews, and try to respond to all comments and suggestions received. It takes a lot of time and work to prepare SpaceNews each week (which is why it sometimes doesn't get out!), and it is the interest of SpaceNews readers that make the effort all worthwhile.

Thanks and Happy Holidays Everyone!!

...John A. Magliacane, KD2BD

\* FEEDBACK WELCOMED \*

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Feedback regarding SpaceNews can be directed to the author (John) via any

of the following paths:

UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd  
PACKET : KD2BD @ NN2Z

<<< Stay on course.....Say YES to Morse! >>>

\* SpaceNews \* >> Satellite News You Won't Find Everywhere Else << \* SpaceNews \*

<eof>

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AMPR : KD2BD @ NN2Z (Neptune, NJ)  
UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd  
"For every problem, there is one solution which is simple,  
neat and wrong." -- H.L. Mencken

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Date: 19 Dec 89 06:10:15 GMT  
From: ux1.cso.uiuc.edu!tank!cps3xx!usenet@iuvax.cs.indiana.edu (Usenet file  
owner)  
Subject: ARRL  
Message-ID: <5839@cps3xx.UUCP>

In article <321@ssc.UUCP> tad@ssc.UUCP (Tad Cook) writes:  
>Despite what N8DGN said, QST has not "TOTALLY CUT all microwave coverage",  
>just as they have not banned articles about CW, AMTOR. or mobile. They  
>stopped carrying a COLUMN on this subject.  
>Check out the 1990 ARRL Handbook. There is LOTS of microwave material,  
>probably even out of proportion with current interest on the subject.  
>The Handbook hardly qualifies as a "special interest publication", unless  
>you consider amateur radio itself as "special interest".

The Handbook is also not a monthly publication that every ARRL member  
receives. Neither is QEX. Neither is the proceedings from the various  
microwave conferences. The Handbook, while a good reference, does not  
serve the purpose of letting the general amateur population know what is  
going on in the microwave spectrum. It is not possible to include  
timely postings like recent DX records, events like contests, etc. in  
the Handbook.

In addition, several prominent microwave operators have commented that

with all the 6m activity, there just won't be enough space to do any justice to microwave material in "The World above 50 MHz". This seems to be true so far. Perhaps the name of this column should be changed to "The World between 50 MHz and 450 MHz." [I think that this column is great, but it still doesn't do what "The New Frontier" used to do.]

In the rare case that original ideas are found here, I am responsible.  
Internet: kjh@usc.edu

Kenneth J. Hendrickson N8DGN  
Owen W328, E. Lansing, MI 48825  
UUCP: ...!uunet!usc!pollux!kjh

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Date: Tue, 19 Dec 89 07:14:55 EDT  
From: Mike Owen W9IP <MROWEN%STLAWU.BITNET@CUNYVM.CUNY.EDU>  
Subject: CDE Rotators

CDE rotators (Ham-M, Tailtwister, etc.) are built by Telex-HyGain at their Lincoln, Nebraska factory. I was there last year with the Central States VHF Conference. Nice, big factory, wonderful people. If you need repair parts, they have them, plus a full-time person to handle inquiries.

73 -

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Date: 19 Dec 89 01:50:59 GMT  
From: hpl-opus!hpnmdla!hpmwtd!timb@hplabs.hp.com (Tim Bagwell)  
Subject: pudgy wound helical antenna (60m vertical in my living room!)  
Message-ID: <1260015@hpmwtlb.HP.COM>

> Yes it is possible to resonate out the capacitive reactance of the short antenna  
> by a lumped or distributed inductance but what you end up with is usually a  
> very small radiation resistance! This means that the ratio of radiation  
> resistance to "ohmic" resistance drops and you lose your power to heat.  
> In ship board MF antennas the radiation resistance is often less than a ohm!  
> ohm! (Moral of the story: Use thick wire or tube for short antennas!)

True and another reason why a small diameter helical antenna is worse than a simple vertical of comparable height and wire size.

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Date: 18 Dec 89 22:08:02 GMT  
From: cadnetix.COM!cadnetix!rusty@uunet.uu.net (Rusty Carruth)  
Subject: rn tricks (was Re: Where does it go?)  
Message-ID: <10625@cadnetix.COM>

In article <911@rsiatl.UUCP> jgd@rsiatl.UUCP (John G. De Armond) writes:  
>Advanced rn users even know about wild cards! You know, like how to kill  
>anything with "sw" in the title, etc?

>John

A word of gentle warning to learning-to-be-advanced rn users:

Be careful when you try the above trick, as it is real easy to end up killing things you wanted to see, like articles with the word 'swift' or 'swan' in the header... Its a good idea to wildcard with as many characters as possible rather than as few as possible (IMHO!).

(I don't know if I'm an 'advanced rn user', but in any case thought I'd pipe up and post)

---Join the usenet un-net, 28.410 and/or 28.390(+/-) 1600Z to 1800Z saturdays!  
Rusty Carruth. Radio: N7IKQ ^^ or later :-)  
DOMAIN: rusty@cadnetix.com UUCP:{uunet,boulder}!cadnetix!rusty  
home: POB. 461, Lafayette CO 80026

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Date: 19 Dec 89 05:45:04 GMT  
From: asuvax!stjhmc!f1.n234.z1.fidonet.org!Jim.Grubs@handies.ucar.edu (Jim Grubs)  
Subject: University Amateur Radio Clubs  
Message-ID: <9824.258DD331@stjhmc.fidonet.org>

> From: cep4478@ultb.isc.rit.edu (C.E. Piggott)

>

> I am trying my best to compile a list of amateur radio clubs at  
> colleges and universities around north america and the world. I'd

There used to be a ham radio fraternity called "Synton". It was 'mortally wounded' by WW2 but a handful of chapters lingered feebly until the early fifties. So far as I know, the only surviving evidence is the former University of Illinois (Urbana-Champaign) chapter, which to this day is called the Synton Radio Club. That last I heard, they have no written records of their history.

Perhaps past issues of QST would help. Surely there were references to college ARC's.

Jim Grubs - via FidoNet node 1:234/1  
UUCP: ...!ncar!asuvax!stjhmc!w8grt!jim.grubs  
INTERNET: jim.grubs@w8grt.fidonet.org

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Uucp: ...{gatech,ames,rutgers}!ncar!asuvax!stjhmc!234!1!Jim.Grubs  
Internet: Jim.Grubs@f1.n234.z1.fidonet.org

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End of INFO-HAMS Digest V89 Issue #1041

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